

## FY06 Graduate Research Fellows

First Name	Last Name	Site	Institution	Project Title	Research Focus Area
Genevieve	Bernatchez	Wells, ME	Northeastern University, MA	Ecological Interactions and Impacts of Two Invasive species: The Green Crab <i>Carcinus maenas</i> , and The Japanese Shore Crab <i>Hemigrapsus sanguineus</i> in Southern Maine Salt Marshes.	Biodiversity/invasive species
Brian	Boutin	Delaware	University of Delaware	Evaluation of essential fish habitat for juvenile weakfish: comparisons of habitat-specific density, growth, fecundity and production in selected Delaware marsh creeks and adjacent Delaware Bay	Habitat Conservation/Restoration
Ross	Brittain	Sapelo Island, GA	Indiana University, IN	Characterization of Passerine Food Source, Trophic Structure, and Habitat Utilization on Sapelo Island, Georgia Using Stable Isotopes of C, N, and H.	Habitat Conservation/Restoration
Jill	Brown	Delaware	University of Delaware	Life and death of the sandbuilder worm: Recruitment, tube growth, and winter mortality as determinants of reef formation by <i>Sabellaria vulgaris</i> in Delaware Bay	Habitat Conservation/Restoration
Helen	Bustamante	Hudson River, NY	University of Illinois	Population dynamics of the zebra mussel ( <i>Dreissena polymorpha</i> ) in the Hudson River: Settlement and post-settlement processes	Biodiversity/invasive species
Jessie	Campbell	Chesapeake Bay, VA	Virginia Institute of Marine Science	The role of sexual reproduction in restoration of submerged aquatic vegetation in the Chesapeake Bay	Habitat Conservation/Restoration
Andy	Canion	Weeks Bay, AL	University of Southern Alabama	Variability in Phytoplankton Productivity on Hourly-to Monthly Time-Scales and its Coupling with Nitrogen Inputs to Weeks Bay, Alabama	Eutrophication/Non-point pollution/Nutrients
Mark	Capone	Great Bay, NH	University of New Hampshire	The effects of natural and restored oyster reefs on water quality	Habitat Conservation/Restoration
Hao-Hsien (Howard)	Chang	Naragansett Bay, RI	University of Rhode Island	Effects of winter temperatures on population dynamics of the ctenophore <i>Mnemiopsis leidyi</i> in Narragansett Bay, RI	Biodiversity/invasive species
Angela	Coulliette	North Carolina	University of North Carolina, Chapel Hill	Characterization and source identification of microbial contaminants in North Carolina estuarine waters.	Eutrophication/Non-point pollution/Nutrients
Ben	Daly	Kachemak Bay, AK	University of Alaska, Fairbanks	Habitat use by macroalgal associated crab populations in Kachemak Bay, Alaska.	Biodiversity/invasive species
Nicole	Dix	Guana-Tolomato-Matanzas, FL	University of Florida	How Estuaries Respond to Nutrient Load: The Guana Tolomato Matanzas Estuarine Research Reserve as a Model Case	Eutrophication/Non-point pollution/Nutrients
Gregory	Ellis	Rookery Bay, FL	University of South Florida	Carbon and Nitrogen Isotopic Linkages between Water-Column Particulates and Benthic Primary Consumers as a Means of Assessing Current and Historical Estuarine Trophic Conditions in Southwest Florida	Eutrophication/Non-point pollution/Nutrients
Benjamin	Fertig	Chesapeake Bay, MD	University of Maryland	Developing the eastern oyster, <i>Crassostrea virginica</i> , as a biological indicator of nitrogen sources	Eutrophication/Non-point pollution/Nutrients
Thomas	Gihring	Apalachicola Bay, FL	Florida State University	The role of oligohaline marshes as a source or sink of nitrogen to the Apalachicola Bay, Florida	Eutrophication/Non-point pollution/Nutrients
David	Gillett	Chesapeake Bay, VA	Virginia Institute of Marine Science	The influence of habitat degradation on benthic secondary production and trophic transfer efficiency in unvegetated estuarine shallows.	Mechanisms for sustaining resources
Yogani	Govender	Jobos Bay, PR	University of Puerto Rico	An integrated approach towards understanding the density, distribution and size structure of <i>Cardisoma guanhumi</i> in two estuaries in Puerto Rico	Mechanisms for sustaining resources
Aaliyah	Green	ACE Basin, SC	University of Georgia	Material transfer of mercury in Carolina Diamondback Terrapins	Eutrophication/Non-point pollution/Nutrients
Katie	Griffith	Elkhorn Slough, CA	University of California, Santa Cruz	Distribution and abundance of <i>Cuscuta salina</i> in a California salt marsh	Eutrophication/Non-point pollution/Nutrients
Elizabeth	Harvey	Padilla Bay, WA	Western Washington University	The effects of ulvoid macroalgae blooms on metamorphosis and settlement behaviour in post-larval crab megalopae.	Biodiversity/invasive species
Chuan-Kai	Ho	ACE Basin, SC	University of Houston	Using the reserve system to explore plant-herbivore interactions: Latitudinal variation and impacts of climate change	Biodiversity/invasive species
Emily	Howe	Padilla Bay, OR	University of Washington	A stable isotope assessment of organic matter transport distances and assimilation strengths in north Puget Sound estuarine food webs.	Habitat Conservation/Restoration
Meghan	Huges	Grand Bay, MS	University of Southern Mississippi	Assessing the value of coastal hammocks as stopover habitat for passerine migrants: Habitat selection and resource acquisition on the the Grand Bay Reserve	Habitat Conservation/Restoration
Laura	Jacobs	Old Woman Creek, OH	Ohio State University	Photochemical degradation of non-point source pollutants in the waters of NOAA's Old Woman Creek Estuarine Reserve, OH	Eutrophication/Non-point pollution/Nutrients
Erin	Kinney	Waquoit Bay, MA	Boston University	Development of a sensitive and widespread indicator of estuarine nitrogen loads: Stable isotope signatures in salt marsh cordgrass	Eutrophication/Non-point pollution/Nutrients
Kristy	Kroeker	Naragansett Bay, RI	Brown University, RI	Experimental determination of salt marsh dieback in New England	Eutrophication/Non-point pollution/Nutrients

Gabriel	Langford	Grand Bay, MS	University of Nebraska-Lincoln	Parasite biodiversity of amphibians and reptiles from the Grand Bay Reserve, MS	Biodiversity/invasive species
Susan	Leitholf	Guana-Tolomato-Matanzas, FL	University of Central Florida	Assessing and modeling mangrove forest dynamics along the temperate-subtropical ecotone in eastern Florida	Habitat Conservation/Restoration
David	Love	North Carolina	University of North Carolina, Chapel Hill	Microbial source tracking viral indicators of fecal contamination in shellfish and estuarine water	Eutrophication/Non-point pollution/Nutrients
Justin	Manley	Sapelo Island, GA	Savannah State University	Oyster reef restoration for developing essential fish habitat in coastal Georgia	Habitat Conservation/Restoration
Daniel (Dino)	Marshallonis	North Inlet-Winyah Bay, SC	University of South Carolina	Regulation of Estuarine Plankton Communities and Carbon Flows by Gelatinous Zooplankton	Biodiversity/invasive species
Lauren	McChesney	Chesapeake Bay, MD	University of Maryland	Effects of sediment grain size on competitive abilities of <i>Hydrilla verticillata</i> and <i>Vallisneria spiralis</i> at Otter Point Creek, MD	Biodiversity/invasive species
Sean	Menke	Tijuana River, CA	University of California San Diego	Role of abiotic factors in determining invasion success of Argentine ants, <i>Linepithema humile</i>	Biodiversity/invasive species
Serena	Moseman	Tijuana River, CA	University of California, San Diego	Fertilization, Sedimentation, and Invasion: Anthropogenic disturbance of diverse nitrogen-fixing microbes and dominant wetland plants in Tijuana Estuary	Eutrophication/Non-point pollution/Nutrients
Adam	Murrah	Weeks Bay, AL	Mississippi State University	The use of geospatial technologies and ground-based field studies to quantify the effects of hurricane Katrina on the vegetation of Weeks Bay, AL	Habitat Conservation/Restoration
Megan	O'Connor	Hudson River, NY	University of Massachusetts, Amherst	Identification of critical fish habitat in the Hudson River using GIS	Habitat Conservation/Restoration
Andrew	Ohana-Richardson	South Slough, OR	University of Oregon	Domoic Acid Production by <i>Pseudo-nitzschia</i> spp. in Response to Estuarine Nutrient Dynamics	Eutrophication/Non-point pollution/Nutrients
Ylva	Olsen	Jobos Bay, PR	Boston University	Distribution and control of seagrasses in Jobos Bay by nutrients and manatees	Eutrophication/Non-point pollution/Nutrients
James	Palardy	Kachemak Bay, AK	Brown University, RI	The effects of flow on local and regional patterns of diversity and species invasions: and experimental approach	Biodiversity/invasive species
Richard (Ricky)	Peterson	Apalachicola Bay, FL	Florida State University	Origin and fate of suspended particulates in the Apalachicola River: Impact on Apalachicola Bay	Eutrophication/Non-point pollution/Nutrients
Rikke Kvist	Preisler	Elkhorn Slough, CA	University of California, Santa Cruz	Characterizing and explaining invasion variation at multiple spatial scales: A study of the European green crab <i>Carcinus maenas</i> in its native and invaded ranges	Biodiversity/invasive species
Jaimie	Tirado	Jacques Cousteau, NJ	Rutgers University	Biomass changes in seagrass epiphytes in a New Jersey shallow coastal bay system: impacts of watershed development and non-point source nutrient enrichment	Eutrophication/Non-point pollution/Nutrients
Lisa	Turnbull	South Slough, OR	University of Oregon	The effects of the invasive grasses <i>Phalaris arundinacea</i> and <i>Zostera japonica</i> on ecosystem processes in the South Slough Reserve	Biodiversity/invasive species
Robert	Vincent	Wells, ME	University of New Hampshire	Ecological responses to local effects of ditching and ditch-plugging in New England salt marshes	Habitat Conservation/Restoration
Heidi	Weiskel	San Francisco Bay, CA	University of California, Davis	Does disturbance facilitate marine biological invasions? : Patterns in <i>Carcinus maenas</i> invasions in the National Estuarine Research Reserve system	Biodiversity/invasive species
Erica	Westerman	Great Bay, NH	University of New Hampshire	The effect of increasing primary production and artificial substrates on the success of invasive ascidians in the Great Bay estuary, NH	Biodiversity/invasive species
Nishanthi	Wijekoon	Old Woman Creek, OH	Kent State University	A satellite remote sensing monitoring program for suspended sediment load at Old Woman Creek Estuarine Reserve	Eutrophication/Non-point pollution/Nutrients